

Polyethylene Tubes for Transporting Milk on Mountains, by H. Trusel.

ITALIAN, per, Materie Plastiche, Vol XXIII, No 1,
1957, pp 9-12.

ASLIB-GB39

Sci

Aug 59

95, 391

The Degradation of Polyethylene in Light, by
P. Maltese.

ITALIAN, per, Materie Plastiche, Vol XXIII,
No 2, 1957, pp 107-113.

ASLIB-GS 39

Sci
Aug 58

70,960

The Electrical Resistivity of Polyvinyl Chloride Products, by A. Coen, P. Parrini, 17 pp.

ITALIAN, per, Materie Plastiche, Vol X XXIII, No 3, Mar 1957, pp 216-224.

CIA/YDD XX-530
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Oct 58

IAC INTERNAL USE ONLY

75-308

Friction in Plastic Materials, by. G. Lanza-
Vecchia,
UNCL

ITALIAN, per, Materie Plastiche, March 1957,
pp 88-893.

*ATIC MCL 649/V

Sci Chem

DC14 12 la

63-14103

Ciampa, G.
THE CHARACTERIZATION OF POLYVINYL CHLORIDE
BY ITS SOLUBILITY IN ACETON. [1963] 6p. (figs.
tables omitted) 4 refs.
Order from SLA \$1.10

63-14103

Trans. of Materie Plastiche (Italy) 1958, v. 24 [no. 5]
p. 420-422.

DESCRIPTORS: *Polyvinyl chloride, Molecular
weight, Viscosity, Determination, Solubility, *Acetones

The molecular weights and the K values of the whole
polymers as a function of their percent soluble in
acetone were plotted on a graph. In this homolog
series of polyvinyl chloride, the percent of soluble
matter decreases with increase in molecular weight.
The ratio expressed in the graph is not universal in the
sense that for a determined molecular weight there is
(Materials-Plastics, TT, v. 10, no. 7) (over)

I. Ciampa, G.

Office of Technical Services

Physical Properties of Articles Made of
Plasticized Polyvinyl Chloride, by P.
Parrini.

6
FAMIANI, per, Materie Plastiche, Vol. XXIV,
No 5, 1958, pp 449-456.

CSIRO

211, 476

Sci - Chem
Aug 62

Sbrolli, P. L. and Lucchetti, L.
COPOLYMERS OF VINYL CHLORIDE. PT. I.
COPOLYMERIZATION. [1964] 36p
Order from K-H \$21.60

K-H-11901-b

Trans. of Materie Plastiche (Italy) 1958, v. 24,
p. 798-811.

TT-64-12933

I. Sbrolli, P. L.
II. Lucchetti, L.
III. K-H-11901-b
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.
V. Title: Copolymerization

(Materials--Plastics, TT, v. 12, no. 1)

Office of Technical Services

Maltese, P.	61-16726
THE DEGRADATION BY HEAT AND BY OXYGEN OF OLEFIN AND DIENE POLYMERS. [1961] [58]p.	I. Maltese, P.
71 refs.	
Order from SLA \$5.60	61-16726
Trans. of Materie Plastiche (Italy) 1958, v. 24, no. 12, p. 1081-1095.	176571
DESCRIPTORS: *Polymers, Deterioration, Mechanical properties, Oxidation, *Plastics, Temperature, Antioxidants.	Office of Technical Services (Materials--Plastics, TT, v. 6, no. 6)
Natural and synthetic polymers containing only carbon and hydrogen are subject to autoxidation, which limits their life and utility, unless countered by suitable means. In the present study, the fundamental aspects of the phenomenon (the kinetics, energy of activation) are discussed, as well as the methods used in studying it, the effects (of autoxidation) on the mechanical prop- erties of the polymers, and means for combatting it (antioxidants). (Translator)	

Properties of the Noplen Pipes, by F. Ranalli,
15 pp.

ITALIAN, per, Materie Plastiche, Vol XXIV,
N o 12, 1958, pp 1109-1116.

SLGA 60-14313

Sci
Feb 62
Vol III, No 11

182, 817

Graft Copolymerization of Vinyl Monomers by
Irradiation, Int by C. Mazzolini, 53 pp.

ITALIAN, per, Materie Plastiche, Vol XXV, 1959,
pp 231-247.

ABC NP-Tr-474

Sci - Chem
19 Jan 61

137,330

Sbrolli, P. L. and Lucchetti, L.
COPOLYMERS OF VINYL CHLORIDE. PT. IV.
COPOLYMERS WITH VINYL ESTERS. [1964] 34p
Order from K-H \$20.40 K-H-11901-g

Trans. of Materie Plastiche (Italy) 1959, v. 25,
p. 302-314.

See also TT-64-12928

(Materials--Plastics, TT, v. 12, no. 1)

TT-64-12932

I. Sbrolli, P. L.
II. Lucchetti, L.
III. Title: Copolymers...
IV. K-H-11901-g
V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Coen, A. and Parrini, P.
MEASUREMENT OF THE LOW TEMPERATURE
BRITTLENESS OF PLASTICIZED POLY(VINYL
CHLORIDE). [1960] 11p.
Order from ATS \$16.95

ATS-54M471
ATS-720-IJ

Trans. of Materie Plastiche (Italy) 1959, v. 25,
p. 357-364.

148,638

61-12646

1. Vinyl polymers--Mechanical properties
2. Plastics--Mechanical properties
- I . Coen, A.
- II . Parrini, P.
- III . ATS-54M471
- IV . Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

(Materials--Plastics, TT, v. 5, no. 7)

The Analysis of Synthetic Resins, by L. Nebbia.
ITALIAN
GERMAN, per, Materie Plastiche, Vol XXV,
No 5, 1959, pp 371-377.

CSIRO

Sci - Chem
Oct 61

171, 369

Ferraria, E.	THE COPOLYMERS OF MALEIC ANHYDRIDE. I. WATER-SOLUBLE RESINS. [1960] [15]p. [refs. omitted]. Order from SLA m\$2.40, pH\$3.30	60-18782
	Trans. of Materie Plastiche (Italy) 1959, v. 25, p. 707-714.	
	Processes are reviewed for making water-insoluble the copolymers of maleic anhydride.	
(Materials)	Plastics, TT, v. 5, no. 2)	Office of Technical Services

142,776

Puoti, G. and Sabbioni, F.
SPHERULITIC STRUCTURES OF SOME ISOTACTIC
POLYMERS. May 62, 3400 words (16 figs omitted)
11 refs.
Order from CTR (Chem) \$10.20 CTS(Chem)-269
subsequent copies \$1.70/ea.

Trans. of Materie Plastiche (Italy) 1959, v. 25,
p. 729-736.

DESCRIPTORS: "Polymers, Butenes, Styrenes,
Propenes, "Crystallization, Crystal structure,
Growth, Temperature, Microstructure, Optics,
Crystals.

(Chemistry--Organic, TT, v. 8, no. 2)

62-17342

I. Puoti, G.
II. Sabbioni, F.
III. CTS(Chem)-269
IV. Chemical Translating
Service, Palo Alto, Calif.

Office of Technical Services

The Copolymers of Maleic Anhydride Water-Soluble Resins, by E. Ferraris, Part II, 10 pp.

ITALIAN, per, Materie Plastiche, Vol XXV, 1959,
pp 785-790.

SLA 60-18783

Sci

Apr 61

146,099

Sbrolli, P. L. and Lucchetti, L.
COPOLYMERS OF VINYL CHLORIDE. PT. V.
COPOLYMERS WITH ACRYLIC DERIVATIVES. [1964]
20p
Order from K-H \$12.00 K-H-11901-e
Trans. of Materie Plastiche (Italy) 1959, v. 25,
p. 1069-1076.

See also TT-64-12932

(Materials--Plastics, TT, v. 12, no. 1)

TT-64-12930

I. Sbrolli, P. L.
II. Lucchetti, L.
III. K-H-11901-e
IV. Kraske-Hooker Science
Library Associates,
Detroit, Mich.
V. Title: Copolymers...

Office of Technical Services

Behaviour of Thermo-Plastic Materials Under Prolonged Stress, by G. Pastonesi.

GERMAN, per Materie Plastiche, Vol XXV, 1959,
pp 1028-1032.

GB/39

Sci
Dec 162

Physical and Chemical Properties of Polypropylene Monofilaments, by A. Coen, W. Conti,
10 PD.

ITALIAN, per, ~~MEX~~ Materie Plastiche, Vol XXVI,
1960, pp 723-730.

JIA 66-14371
X ATS-74N521
ATS-673-IT

Sci
Oct 61

172, 751

Ferraris, R.
POLY(ETHYLENE GLYCOL TEREPHTHALATE).
PT. IL 26 Apr 62 [BBP], 40 p. 50.
Order from: SLA \$3.00

Trans. of Materie Plastiche (Italy) 1960, v. 24,
no. 8, p. 775-790.

DESCRIPTORS: *Polyethylene plastics, Glycols,
*Phthalates, Production, Chemical properties, Physical
properties, *Plastic films, Thickness, Bacteria,
Fungi, Toxicity, *Metal films, Machines, *Bonding,
*Dyes, Printing, *Ink, *Laminated plastics, *Strips
electrical, *Stress relaxation, *Insulation, *Paints,
*Gummed paper, *Adhesive.

A state of the art review dealing with plastic films of
polyethylene glycol terephthalate. Topics include:
preparation, thickness and width; resistance to fungi
(Materie Plastica, ITT, v. 10, no. 1). (over)

Living Polymers, by R. Casarelli.

RUSSIAN, per, Materie Plastiche, Vol XXVI, No 11,
1960, pp 1067-1072.

GB/96

Sci
Jun 63

Nano, F.	62-14306
BLACK POLYETHYLENE: PREPARATION, ANALYSES AND EVALUATION OF THE DEGREE OF DISPERSION OF CARBON BLACK IN RELATION TO AGING [1962] [21]p. 6 refs. Order from SLA \$2.50	I. Nano, F
Trans. of Materie Plastiche (Italy) 1960, v. 26, no. 12, p. 1140-1147.	62-14306
DESCRIPTORS: *Carbon black, *Polymers, *Ethylenes, Preparation, Analyses, Tests, *Aging, Electron mi- croscopy, Absorption, Oxidation.	
(Chemistry & Organic, 1971, v. 8, no. 5)	Office of Technical Services

Conti, W. and Protospataro, F.
TEMPERATURE DEPENDENCE AND FREQUENCY
DEPENDENCE OF DIELECTRIC PROPERTIES OF
POLYETHYLENE TEREPHTHALATE (Dipendenza
dalla Temperatura e dalla Frequenza delle Proprietà
Dielettriche del Polietilentereftalato). [1962] [18]p.
(foreign text included) 13 refs.

Order from SLA \$1.60 62-14423

Trans. of Materie Plastiche (Italy) 1961, v. 27, no. 4,
p. 321-326.

DESCRIPTORS: *Polymers, *Ethylenes, *Phthalates,
Temperature, Frequency, *Dielectric properties.

Applications of the method for plotting the dielectric
properties of polyethylene terephthalate in a single
curve are discussed. The best known method of re-
duced variables are described.
(Chemistry + Organic, TT, v. 8, no. 3)

62-14423

I. Conti, W.
II. Protospataro, F.

Office of Technical Services

Shrolli, P. L. and Lucchetti, L.
COPOLYMERS OF VINYL CHLORIDE. PT. VII.
COPOLYMERS WITH HALOGENATED MONOMERS.
[1964] 25p
Order from K-H \$15.00

K-H-11901-f

Trans. of Materie Plastiche (Italy) 1961, v. 27, no. 8,
p. 801-809.

See also TT-64-12930

(Materials-Plastics, TT, v. 12, no. 1)

TT-64-12931

I. Shrolli, P. L.
II. Lucchetti, L.
III. K-H-11901-f
IV. Title: Copolymers...
V. Kreage-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Morici, V. and Protoospato, F.
GAS PERMEABILITY OF PLASTIC FILMS. [1963] 18p.
Order from ATS \$18.00 ATS-47Q70I

Trans. of Materie Plastiche (Italy) 1961, v. 27, no. 12,
p. 1136-1145.

DESCRIPTORS: *Plastic films, Gases, Permeability.

(Materials--Plastics, IT, v. 10, no. 8)

63-22140

- I. Morici, V.
- II. Protoospato, F.
- III. ATS-47Q70I
- IV. Associated Technical Services, Inc.,
East Orange, N. J.

Office of Technical Services

Bioriented Moplefan, by A. Coen.
F. Protospataro.
ITALIAN, per, Materie Plastiche ed
Elastomerie, Vol 27, No 12, 1961,
pp 1156-1164.
SIA TT-66-10572

Sci-Chem
July 66 305,540

Gherza, P.
MEASUREMENT OF THE FRICTION COEFFICIENT
OF PLASTIC SHEETS. [22 Feb 63] [13]p.
Order from SLA \$1.60 63-18392

Trans. of Materie Plastiche (Italy) 1962, v. 28,
p. 466-471.

DESCRIPTORS: *Plastic films, *Polyethylene plastics,
*Polyester plastics, *Polyvinyl chloride, *Halocarbon
plastics, Handling, Packaging, *Friction, Loading
(Mechanics), Velocity, Electrostatics.

(Materials--Plastics, TT, v. 10, no. 11)

63-18392

I. Gherza, P.

Office of Technical Services

U. Frisinghelli.

Behaviour of Extruded and Cast Polymethyl
Methacrylate Sheet on Post Forming and
Machining,

ITALIAN, per, Materie Plastiche, Vol 29, 1963,
pp 704-713.

Order from RAP as RAPRA 1579. \$25.00

NTC 72-60560-11I

Nov 72

Health Problems Arising out of the Contact between
Foods and Plastics Materials, by N. Gandolfo.
ITALIAN, per, Materie Plastiche, Vol 12, No 5, 1993,
pp. 66-770-783.
GD 96

S:1
Aug 87

336,542

Physical Properties of Elastomers, by
G. Chant, A. Arcomai, 16 pp.
MALES, PUR, Materie Plastiche Elastomeri,
Vol 1963, 1963, pp 1375-1380. DEC 04 1963
AMC-60-12-65-700

AMC-60-12-65-700
PUR 65

2/6, 1963

Plastics and Elastomers at the 45th
Auto Show in Turin, by Pierluigi Longhi,
25 pp. FOR OFFICIAL USE ONLY
ITALIAN, per, Materie Plastiche Ed
Elastomeri, No 2, Feb 1964. 9698146
FBI 361-165-292

+ 7025

Sci-MV
Oct 68 290,270

Contribution for the Methodology for
Measuring the Thermal Stability of
Polyvinyl Chloride, by G. Talamini,
G. Clinques. 22 p.
ITALIAN, per, Materie Plastiche ed
Elastomeri, Vol 30, No 4, 1964, pp 317-328.
IICH-8690

Sci-M&M
Jul 66

306,089

Tert. -Butyl-Hydroperoxide, by E. Ferraris.
CZECH, per, Materie Plastiche ed Elastomeri, Vol 30, No 4, 1964, pp 329-335.
NTC 69-12444-07C

Sci-Chem
Aug 69

389 , 352

Polymer-Plasticizer Interactions,
by F. Bargellini. 22 p.
ITALIAN, per, Materie Plastiche ed Elastomeri,
Vol 30, No 4, 1964, pp 378-385.
SIA TT-66-10595

Sci-M&M
Jul 66

306,102

Measurements of Internal Pressure Applied
to Transitions of High Polymers, by C. Rossi.
ITALIAN, per, Materie Plastiche, Vol 30,
No 4, 1964, pp 386-389.

TC-1153

Sci-Materials

Oct 66

313,358

Novelties in French Food Packaging,
by N. R. Valli Castiglioni, 7 pp.
FCIR OFFICIAL USE ONLY
ITALIAN, per, Materie Plastiche Ed=
ed Elastomeri, June 1964, pp 543-545. 9693302
PSTC 381-T65-361

A CS 1 7387

17/65/CS/7387-25

Sci-Agric
Oct 65
290,258

The Manufacture of Polyester Resin Reinforced With
Fiberglass for Packaging, by Michele D'Alena, 8 pp.
ITALIAN, per, Materie Plastiche ed Elastomeri,
No 6, 24 Aug 1964, pp 511-514.
ACSI I-5647
ID 2204042664

Sci - Chem, M/M
Sep 64

266,884

Analysis of Plastics: PVC, by F. Zilio-
Grandi, G. Libralesso.
ITALIAN, per, Materie Plastiche e Elastomeri,
Vol 30, No 7, 1964, pp 643-653.
RAPRA-1240

Sci-M&M
Jul 66

306,085

Thermal Degradation of Isotactic Poly-
propylene and Distribution of Molecular
Weights, by F. Morandi, P. Parrini, 11 p.
ITALIAN, per, Materie Plastiche ed Elastomeri,
Vol 30, No 10, 1964, pp 977-982.
SIA TT-66-10567

Sci-M&M

Jul 66

306,095

NCH-202-624	Field 111	I. TRANS-CHEM, Knoxville, Tenn.
	Coen, A.; Protopatiro, F. STATIC ELECTRICITY OF PLASTIC FILMS. 1965, 39p. TC-898. Order from TC: \$22.00 as TC-898	
	Trans. of Materie Plastiche (Italy) p1173-81, 1227 Dec 1964.	

Polypropylene Film for Packaging Sterile Surgical Dressings, by G. Audisio and L. Conti, 22 p.
ITALIAN, per Materie Plastiche ed Elastomeri,
Vol XXX, No 10, 1964, pp 969-976.
SLA TT 66-10569

Sci-B&M
Jun 66

303,686

A. Ordnance Depot Service Views on Arrangement
and Equipment; B. General Instructions on the
Conservation; C. "TM" Horse Drawn Vehicle
Equipment; D. "TM" Horse and Dog Equipment;
E. "TR" Trailer Equipment; F. Material Material
for Sea and Air Transport; 39 pp, (ID 986974)
UNCLASSIFIED

SWEDISH, BK, Material i Förrad, publ by Swedish
Royal Army, Ordnance Dept, Stockholm, 1951-1953.

O-4, GSUSA O-4426

Nollur - Sweden
Military -

JUL 55 CRS 24,981

White or Black Protective Suit -- Investigations
of the Absorption of Heat Radiation by White and
Black Gas Protective Fabric, by Hans E. Ronne,
p. pp.

SWEDISH, rpt, Materiel for Gasskuddsdrakt,
21 Dec 1951

Author - Sweden

Military ..

G-2 ASVSA 6-4768

Jul 55 CES

24884

Meteorological Material for Atmospheric Probing, 20 pp
FRENCH. ~~Publ.~~, Matériel Meteorologique pour les sondages
d' l'atmosphère, Paris, 1962, pp 1-21, (aCall No ATCH 3
IR 183225863 Eng Tr)
Army Map Service

Sci - E. S. & Astron
Apr 64

254,161

Infrared Equipment of the Infantry, 21 pp.
FRENCH, rpt, Les Matériaux Infrarouges de
L'Infanterie, 19 pp.
ACSI J-2937
ID 2204030667

WE-France
Mil
Oct 67

341,545

4-Wire Telephonic Equipment Military Communications Network Project P.C.M., 35 pp.
FOR OFFICIAL USE ONLY
FRENCH, rpt, Materiels Telephoniques 4 Fils Pro-
ject de Reseau Militaire P.C.M., 1964, Edition 1,
42 pp. 9697693
FSTC 381-T64-245

Sci - Elec
Aug 65 287,255

The Uranides and Their Physical Homology, by C. G.
Bedrea,

SPANISH, per, Mathematica, Fizica, Chimie, Vol I,
1955, pp 231-242.

*AEC

Sci - Chem

May 60

Traffic Planning and Mathematics, by R. Inzinger.

GERMAN, per, Mathematik Technik Wirtschaft,
Vol VII, No 2, 1960, pp 49-55.

GB/93/RLC 1087

Sci-Disc
July 63

236,306

Traffic
Planning and Mathematics, by R. Inzinger.

GERMAN, per, Mathematik Technik Wirtschaft,
Vol VII, No 3, 1960, pp 107-109.

GB/93/RLC 1087

Sci-Misc
July 63

236,307

Traffic Planning and Mathematics, by
R. Inzinger.

GERMAN, per, Mathematik Technik Wirtschaft,
Vol VII, No 4, 1960, pp 147-154.

GB/93/RM 1087

Sci-Misc
July 65

236,308

Digital Computers in the Soviet Union, by V.
Czapla, 8 pp. 9079638x

GERMAN, per, Mathematik-Technik-Wirtschaft,
No 1, 1961, pp 16-18. 9079638

RAND T-146

Sci
Aug 61

16 1/2 855

The Selection of Random Sampling Programs
from Economic Aspects, by J. Pfanzagl
GERMAN, per, Mathematik-Technik-Wirtschaft,
Vol 9, No 3, 1962, pp 97-101
NTC 71-15105-12B

mar 72

Testing the Identity of Regression Coefficients
of Several Regression Equations - Test of
Parallelism, by H. Schneeberger
GERMAN, per, Mathematik-Technik-Wirtschaft,
Vol 9, No 3, 1962, pp 104-108
NTC 71-15104-12B

mar 72

On Infinitely Many Algorithms For Solving Equations, by F. Schroeder.

GERMAN, per, Math Ann, Vol 3, 1871, pp 296-322.

*AEC ORNL

127-85

Sci-Math
Jul 68

Contributions to the Lame Functions, by K. Heun

14633
1

GERMAN, Math Ann, Vol 44, May 1890, pp 180-196.

A.R.E., Fort Halstead 0 OT/592

Scientific Mathematics
GMS/DKX

8 716

The Fundamentals of Mechanics, by G. Hamel. 46 pp.
GERMAN, per, Mathematische Annalen, Vol 66,
1908, pp 350-397.
ACSI-J-7519
FSTC-BP-23-378-69

Sci-Mech
Dec 69

398,474

Investigations of the Fundamentals of Thermo-dynamics, ~~22~~ 1. C. Carathéodory, Z. f. f.
GERMAN, per, Mathematische Annalen, Vol LXVII,
1909, pp 355-386.

SLA Tr 1574

Sci Physics
Apr 1957

46,157 Jan 1957

The Solution of Equations in the Calculus
of Logic, by Leopold Lowenheim.
GERMAN, per, Mathematische Annalen, Vol
68, 1910, pp 169-207.
AIR/AFCRL/69-0149

Sci-Math
June 69

384,100

On the Solution of the Fundamental Problems of
the Theory of Elasticity, by A. Korn. 65 pp.
GERMAN, per, Mathematische Annalen, Vol 75, 1914.
OTS TT 64-15896

Sci/Mechan, Indust, Civil
& Marine Engr
Jun 67

327,716

Dimension and Exterior Measure, by P. Hausdorff.

GERMAN, 1919, Mathematische Annalen, Vol LIX, 1919, pp 157-179.

AMS 329-GJ

Sci
Nov 59

100,428

The Position of the Zeros of Polynomials That
Arise From Minimum Conditions of a Certain Kind,
by L. Fejér.
Gesetz, per, Mathematische Annalen, Vol 85, 1922,
pp 41-48. P011101266
MLC MP-tr-1411

Sci/Mathematical Sci
Doc 66

314,638

The Partial Difference Equations of Mathematical Physics, by R. Courant, K. Friedrichs, H. Lewy,
43 pp.

GERMAN, per, Mathematische Annalen, Vol C, 1928,
pp 32-74.

A.E.R.E. Harwell Lib Tr 719

Sci - Physics
Mar 57 CTS/dex

44,322

Convergence and Error Estimation in the
Ritz-Method, by E. Trefftz (*E. Trefftz*)
GERMAN, per, Mathematische Annalen, Vol
100, 1928, pp. 503-21.
NYC 69-1101-12A

Sci-Math
July 69

388,418

Agency: Army/SEC
P.O. No. 69-T-5

R-10,046-D
16 January 1969

Title: Sul Problema Della Propagazione del Calore in un
Mezzo Puro di Frontiera, Conduttore, Isotropo
e Omogeneo

Author: Mario Picone 701-712p 12pt?

Source: Mathematische Annalen, Vol 101, 1929

Language: Italian

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Hopf, Eberhard.

TWO THEOREMS ON THE PROBABLE MOTIONS OF
DYNAMIC SYSTEMS (Zwei Sätze über den
Wahrscheinlichen Verlauf der Bewegungen
Dynamischer Systeme) tr. by S. Reiss. [1960] [11]p.
9 refs.

Order from OTIS or SLA \$1.60

60-17351

Trans. of Mathematische Annalen (Germany) 1930,
v. 103, p. 711-719.

DESCRIPTORS: *Topology, Mathematics, Motion,
Fluid flow, Celestial mechanics, Mechanics,
Algebraic topology, Integrals, Dynamics, Theory.

(Unannounced)

60-17351

- I. Title: Three body problem
- I. Hopf, E.
- II. National Aeronautics and
Space Administration,
Washington, D. C.

4-27-62

Office of Technical Services

Kolmogorov, A.	62-10151
ON THE ANALYTICAL METHODS OF PROBABILITY THEORY. [1961] [61]p. Order from SLA \$6.60	I. Kolmogorov, A. 62-10151 63-13360 (100)
Trans. of [Mathematische Annalen] (Germany) 1931, v. 104, p. 415-458.	
DESCRIPTORS: *Probability, Statistical processes, Measure theory, Differential equations.	
(Mathematics, TT, v. 8, no. 10)	Office of Technical Services

General Quadratic Mappings Represented by
Rectilinear Triangle Nets, by Robert Sauer, 50 pp.

GERMAN, part, Mathematische Annalen, Vol CVI,
1932, pp 722-754. 9685238

Emmanuel Coll Res Lang Ctr
E-T-G-63-5

Sci - Math & Data Proc
Sep 63

344,114

The Theory of General Plane Quadratic Graphs, by
Oskar Bader, 36pp

GERMANY, 1936, Mathematische Annalen, Vol CXXI, 1936,
pp 530-552. #659729

Bibliographical Note
Bibl. - G - 63 - 13

Soc. & Mathe. in Extra Proc., Phys
Jan 03

246, 198

ST 16 T 3 219
from open file folder
1/2

On the Real Zeros of Almost All Derivatives of
Certain Entire Functions, by A. Wiman, 8 p.

GERMAN, pcr, Math Annalen, 1937, Vol CXIV,
pp 617-621.

SIA 59-17244

Sci
Feb 50
Vol 2, No 9

106 999

Periodic Solutions of the Restricted Three-Body Problem
Which Close Only After Many Revolutions, by J. Moser.
GERMAN, per, Mathematische Annalen, Vol CXXVI,
No 4, 1953, pp 323-339.
NASA TT F-8472

Sci - M. & D. Proc
Mar 64
U.S. GOVERNMENT ONLY 251,939

TT-65-12116

Field 12A

Heinz, E.
ABOUT CERTAIN ELLIPTIC SYSTEMS OF DIFFERENTIAL
EQUATIONS OF THE SECOND ORDER WITH APPLICATION
OF THE MCG MONGE-AMPERE EQUATION (Über Gewisse
Elliptische Systems von Differentialgleichungen Zweiter
Ordnung mit Anwendung auf die Monge-Ampèresche Glei-
chung). 32, 17 refs.
Order from SLA: \$3.60 us TT-65-12116

Trans. of *Mathematische Annalen* (West Germany) v131 n5
p411-28 1956.

I. Heinz, E.

MR 629

Hahn, Wolfgang.
ON THE APPLICATION OF THE SECOND METHOD
OF LYAPUNOV TO DIFFERENCE EQUATIONS.
[1961] [28 p. 7 refs.]

Order from SLA \$2.60

62-10143

Trans. of Mathematische Annalen (West Germany)
1958, v. 136, no. 5, p. 430-441.

DESCRIPTORS: *Difference equations, Numerical
methods and procedures, Special functions, Theory.

The stability is examined of solutions of difference
equations with the help of a modification of the so-
called Second or Direct Method of Lyapunov. A few
general theorems of the method are proved in the form
valid for equations of the type $r(t+1) = f(r, t)$
($t = t_0, t_0 + 1, \dots$), where an immediate application of
the theorems of Lyapunov and Chetaev, relative to
(Mathematics, TT, v. 7, no. 3) (over)

62-10143

I. Hahn, W.

May Jr 3462/APL 647

Office of Technical Services

TT-65-12112

Field 12A

Forster, O.
VALUES OF FUNCTIONS AS BOUNDARY INTEGRALS IN
COMPLEX SPACES (Funktionswerte als Randintegrale in
Komplexen Räumen). 14p. 25refs.
Order from SIA: \$1.60 as TT-65-12112

Trans. of Mathematische Annalen (West Germany)
v150 n4 p317-24 1963.

I. Forster, O.

MR 629

Axially Symmetric Deformation of Solids of
Revolution, by A. Timpe, 29 pp.
GERMAN, per. Mathematik und Mechanik, Oct.
1924.

MALB-TR-2-72
Naval Weapons Laboratory

Aug 71

REQ TR CHECK

14-1-19

TALC

ENGLISH TITLE UNKNOWN

BOHM V F
GE: MATH: MECH., SEKTION MECHANIK, v. 43, 1963,
pages T56-T60.

Process in 95

HC72-23-C704

negative

On a Method for Approximate Integration of
Arbitrary Partial Differential Equations, by
Karl Bachert, 6 pp.

GERMAN, per, Mathematische Nachrichten, Vol
VIII, 1952, pp 75-78.

NACA N-41661*

34,110

Sci - Engineering, Mathematics

May 1956

Air Force 7-60 67-16a

R-8957-D

28 Nov 67

Solution of the laminar boundary layer with periodic pressure distribution

By: August Wilhelm Gericke in Decine (Nievre) und
Kurt Schroeder in Berlin

From: Math. Nachr. 8, 232(1953): 217-238 (22 pp)

German - est for wds:

Please translate and type 1 camera ready copy and 1 carbon copy. Document can be cut.

N THE ALBESOK NACHRICHTEN
1955 VII P249-252
1956 VII P249-252

691168 (CATS)
70-11670-12A <>

Information on the Movement of Blatta Germanica,
by C. Hollars, 4 pp. UNCLASSIFIED

per,
GERMAN, Mathematisch-Naturwissenschaftliche Klasse
Sitzungsberichte, Vol V, 1850, pp 15-18.

QMT Mr 475

Scientific - Biology
CTS/DEI

11,261

Dvorak, V.	61-14612
EXPERIMENTS CONCERNING THE AFTER-IMAGES OF CHANGES IN STIMULATION (Versuche über Nachbilder von Reizveränderungen). [1961] [9]p. 3 refs.	I. Dvorak, V.
Order from SLA \$1.10	61-14612
Trans. of Akademie d[er] Wiss[enschaften], Vienna]. Math[ematisch]-Naturw[issenschaftliche] Klasse. Sitz[ungs]ber[ichte] (Austria) :870. v. 61 [Abt.] 2, p. 257-262.	
DESCRIPTORS: Vision, *Visual after-images, *Stimulation, Visual perception, Motor reactions, *Dark adaptation, *Light adaptation, Eye, Physiology.	
(Biological Sciences- Physiology, TT, v. 8, no. 11)	Office of Technical Services

Work Done by Growing Plants,
by W. Pfeiffer.
Gesamtber., per, Mathematische-Physikalische Klasse,
Vol. IV, 1893, pp 235-474.
AEC

Sci-
Doc: b1

English Title Unknown, by W. Pfeffer.
GERMAN, per, Mathematisch-Physische Klasse, Vol 30,
1907, pp 257-272.
*NASA TT F-11,949

Sept 68

English Title Unknown, by W. Pfeffer.
GERMAN, per, Mathematisch-Physische Klasse, Vol 34,
1915, pp 3-154.
*NASA TT F-11,940

Sept 68

NIM, by W. Ahrens.

GERMAN, bk, Mathematische Spiele, Chap VI, 1916,
pp 50-62.

*AEC

Sci - Math

Oct 59

Metamorphism of Coal and Its Influence on the
Visible Constituents, by W. H. Petrascheck.

GERMANY, per, Mathematisch-naturwissenschaftliche
Klasse I, Bo 7/8, 1956: ID 375-444, 1947.

Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 62

Sci - Chem

May 59

87,566

Heat Conduction in Electrically Insulating Crystals,
by Gunther Neibfritzied, Ernst Schlomann, 35 pp.

GERMAN, per, Mathematisch-Physikalische Klasse, Vol IIIa,
1954, pp 71-93. 9213627

AEC-Tr-5892

Sci - Phys
Nov 63

241, 310

On the Abel Integral Equation with Constant Limits,
by T. Carleman.
GERMAN, per, Mathematische Zeitschrift, Vol 15,
1922, pp 111-120.
Dept of Navy NRL Trans No 1144

Sci-Math
Aug 68

365,770

Mathematical and Physical Theories of Higher
Geodesy, Preface and Part I: 'The Mathematical
Theories,' by F. R. Helmert.

GERMAN, b/w, Mathematischen und Physikalischen
Theorieen der Höheren Geodäsie, Leipzig, 1880.

ACIC

Sci. + Phys.

180, 837

Jan. 62

Mathematical and Physical Theories of Higher
Geodesy, Part II: The Physical Theories, by
F. R. Helmert.

GERMAN, bk, Mathematischen und Physikalischen
Theorien der Höheren Geodäsie, Leipzig, 1884.

ACIC

Sci - Phys

180, 838

Jan 52

Physical Experiments concerning the Sense
of Equilibrium of Man, by E. Mach, 19 pp.
SWISS, per, Mathematisch-naturwissenschaft
Klasse Sitzungsberichte Ak der Wissenschaft,
Vol LXVIII, No 8, 1873, pp 124-140.
CFSTI TT-61-14722

Sci - B/M
Jul 66

305,366

Experiments Concerning the Sense of
Equilibrium, by E. Mach, 17 pp.
SWISS, per, Mathematisch-naturwissenschaft
Klasse Sitzungsberichte Ak der Bissenschaft,
Vol LXIX, No 2, 1874, pp 121-135,
CFSTI TT-61-14721

Sci - B/M
Jul 66

305,367

Surve
Concerning the Foundations of Our Orientation in Space, by S. Garten, 106 pp.
~~GERMANY~~, per, Mathematisch-Naturwissenschaftliche Klasse Abhandlungen Ak der Wissenschaft,
Vol XXXVI, No 4, 1920, pp 433-510.
CSTI TT-61-14725

Sci - Aero
Jul 66

305,362

The Green's Function of the Wave-mehcanic
Kepler Problem, by J. Meizner.
GERMAN, per, Mathemat Zeit, Vol 36, 1933,
pp 677-707.
NLL Ref: 5207 (1251)

Sci-Math
June 69

384,562

The Solutions of the Integral Equation

$g(x) = \frac{1}{2\pi i} \int_{a-i\infty}^{a+i\infty} \frac{f(\xi)}{x - \xi} d\xi$ and Their Application
in Wing Theory, by Heinz Söhngen, 23 pp.

GERMAN, per, Mathematische Zeitschrift, Vol
XLV, 1939, pp 245-265.

NACA N-43674

Sci - Mathematics, Physics 36, 296

Jul. 1956

Real Eigenvalues of Generalized Hill Eigenvalue
Problems of the 2nd Order, by M.J. O. Strutt,
80 pp.

GERMAN, bim^o, aper, Mathematische Zeitschrift, Vol XLIX, No 4/5,
1944, p 593.

SLA Tr 1540 (Apr 1957)

Sci - Math
Apr 1957

46,142

On the Estimation of the Equations of Nonlinear
Parabolic Differential Equations, by H. Westphal,
8 pp.
GERMAN, per, Math Zeit, No 51, 1949, pp 690-695.
FTD-HC-23-1566-71
GOVERNMENT USE ONLY

Aug 72

APPROVED FOR RELEASE: Tuesday, July 09, 2002

CIA-RDP91-00772R000200890078-4

MATHEMATICAL PAPERS
1953 V56 PH60-170

70-12370-12A <>

APPROVED FOR RELEASE: Tuesday, July 09, 2002

CIA-RDP91-00772R000200890078-4